

Product availability : Non-Stock - Not normally stocked in distribution facility



## Commercial status

Discontinued on: 02 December 2020

To be end-of-service on: 31 December 2026

ⓘ Restricted Sales for Services

## Main

Range of product	Modicon Premium Automation platform
Product or component type	Double-format PL7 processor
Software designation	PL7 Junior/Pro

## Complementary

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	64 96 128
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	80 I/O
Number of application specific channel	24
Number of process control channel	10 up to 30 simple loops
Integrated connection type	Non isolated serial link 2 female mini DIN19.2 kbit/s) Fipio manager (127 agents) SUB-D 9 Ethernet TCP/IP RJ4510/100 Mbit/s)
Communication module processor capacity	1 fieldbus module (none if CANopen used) 4 AS-Interface bus modules 1 CANopen
Memory description	Internal RAM (with PCMCIA card) 64 Kwords data Internal RAM (without PCMCIA card) 64 Kwords program and data PCMCIA card 160 Kwords program PCMCIA card 2688 Kwords additional data storage
Maximum size of object areas	30.5 %MWi internal words located internal data 32 %KWl constant words located internal data 8132 %Mi located internal bits
Application structure	64 event tasks 1 fast task 1 master task
Execution time per instruction	0.19 µs Boolean without PCMCIA card 0.21 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.42 µs word or fixed-point arithmetic with PCMCIA card 2.6 µs floating points with PCMCIA card

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	2.6 $\mu$ s floating points without PCMCIA card
Number of instructions per ms	2.5 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.57 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 3.7 Kinst/ms 100 % Boolean with PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.35 ms fast task 1.2 ms master task
Marking	CE
Local signalling	for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 1 LED (green) for activity on Fipio bus (FIP) 1 LED (red) for collision detection (COL) 1 LED (red) for Ethernet TCP/IP port fault (ERR) 1 LED (red) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (red) for activity on the terminal port (TER) 1 LED (yellow) for Ethernet link diagnostics (STS) 1 LED (yellow) for reception activity (RX) 1 LED (yellow) for transmission activity (TX) 1 LED (yellow)
Current consumption	1180 mA 5 V DC
Module format	Double

## Environment

Standards	IEC 61131-2 92/31/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group C 93/68/EEC 89/336/EEC CSA C22.2 No 142
Product certifications	BV RINA DNV RMRS LR GL ABS
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

## Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	00785901432340
Nbr. of units in pkg.	1
Package weight(Lbs)	2.2 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
------------------------	-----

Package 1 Height	3.74 in (9.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Weight	11.29 lb(US) (5.12 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)

### Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
---------------------------	---

### Contractual warranty

Warranty	18 months
----------	-----------

### TSXP572823M is replaced by:



#### Standard environment BMEP582020

processor module M580 - Level 2 - Distributed

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018